

The Right Fit: Tow Bars and Adapters

OK, I
NEED A
LITTLE
HELP
HERE...

I DON'T KNOW WHICH
TOW BAR FITS EACH OF
YOU... OR WHAT ADAPTERS
I NEED SO YOU CAN TOW
OTHER RIGS SAFELY.

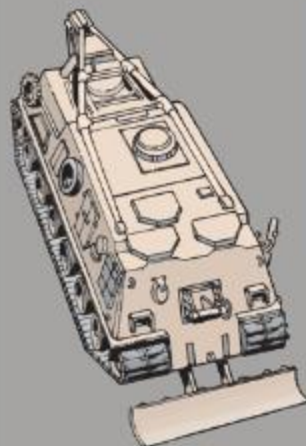
YEAH, IT'S
HARD FOR US
TO REMEMBER
THAT STUFF,
TOO.

BUT I'M SURE
HALF-MAST KNOWS!
LET'S FIND OUT
FROM HIM!

WE KNOW IT CAN BE TOUGH
TO FIGURE OUT THE RIGHT
TOW BARS AND ADAPTERS
TO USE IN VEHICLE
RECOVERY OPERATIONS.

SO HERE'S SOME
HELPFUL INFO ON
ARMY-APPROVED
TOW BARS AND
ADAPTERS.

Towing vehicle: M88A1 recovery vehicle



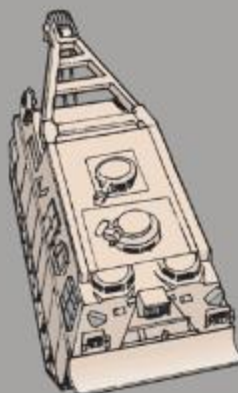
Tow bar: Heavy duty tow bar,
NSN 4910-01-267-2912 (capacity
112,000 lbs)



Adapters:

- 2.5-10-ton light duty, NSN 2540-00-863-3153
- 10-50-ton medium duty, NSN 5340-01-267-2908 (comes with tow bar)
- 50-ton heavy duty, NSN 2450-00-589-6391
- Adapter, tow bar, NSN 2540-01-440-4979

Towing vehicle: M88A2 recovery vehicle. Also part of the
HEMTT additional authorization list (AAL).



Tow bar: Heavy duty tow
bar, NSN 2540-01-434-8595
(capacity 139,000 lbs)

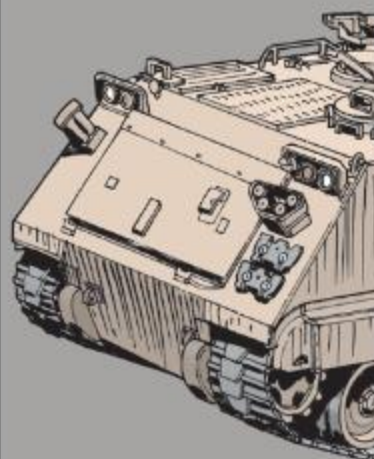


Adapters: (Not supplied with tow bar)

- 2.5-10-ton light duty, NSN 2540-00-863-3153
- 10-50-ton medium duty, NSN 5340-01-267-2908
- 50-ton heavy duty, NSN 2450-00-589-6391
- Adapter, tow bar, NSN 2540-01-440-4979

Note: The M88A1/A2 heavy duty tow bars do not have a working load limit, but do not exceed the weight of the M88A1/A2 (112,000 lbs/139,000 lbs). Any like-vehicle towing must be done by a vehicle of equal or greater weight.

Towing vehicle: M113 APC



Tow bar: NSN 2540-00-936-7801, (capacity 68,000 lbs)

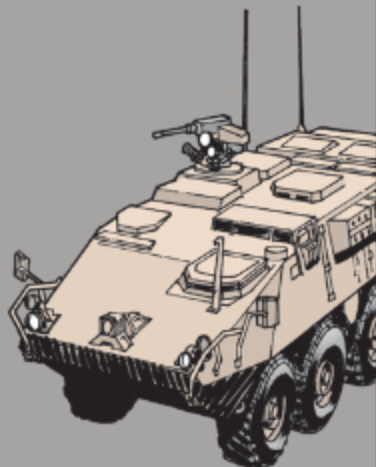


Adapters: (supplied with tow bar)

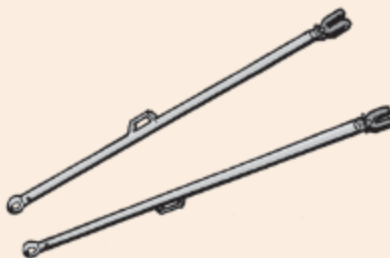
- Clevis, rod end, NSN 5340-01-051-3609
- Clevis, rod end, NSN 5340-01-046-4770

PS MORE

Towing vehicle: Stryker family of vehicles (FOV)



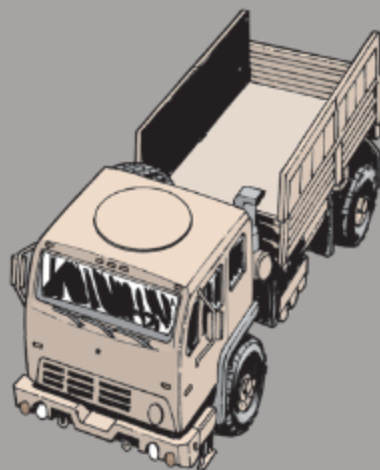
Tow bar: Stryker tow bar, NSN 2540-01-517-9227 (capacity 50,000 lbs)



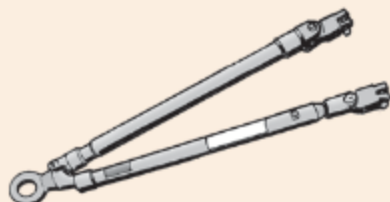
Adapter: Clevis, rod end, NSN 5340-01-051-3609 (comes with tow bar)

Caution: Use the Stryker tow bar only on the Stryker FOV. Using it on other vehicles will damage the tow bar and towed vehicle due to the towing angle.

Towing vehicle: MTV



Tow bar: Medium-duty tow bar, NSN 4910-01-554-7296 (capacity 65,000 lbs)



Adapter: Clevis, rod end, 1 inch, NSN 5340-01-023-9801 (comes with tow bar)
Swivel pins, 1 inch, PN 12424566-004

Caution: Use this tow bar only in the retracted position. Using it in the extended position may decrease tow capacity and damage both the tow bar and towed vehicle.

MRAP Flat Towing

MRAP Flat Tow Recovery

Adapter	NSN 2540-00-863-3153 (2.5-10 ton)
For MRAP variants:	BAE Systems RG-33L 6x6 BAE TVS Caiman 6x6 Navistar MaxxPro 4x4
Adapter	NSN 5340-01-267-2908 (10-50 ton)
For MRAP variants:	Force Protection Cougar 6x6 Force Protection Cougar 4x4 General Dynamics RG-31 4x4 MATV Base/UK/SOCOM 4x4 Force Protection Buffalo A1/A2

MRAPs CAN BE FLAT-TOWED USING ANOTHER MRAP OR LIKE VEHICLE, AS LONG AS THE TOWING VEHICLE IS OF EQUAL OR GREATER WEIGHT.

NOTE: THE ONLY ARMY-APPROVED TOW BARS FOR USE WITH MRAPs ARE HEAVY TOW BARS, NSN 4910-01-267-2912 AND 2540-01-434-8695. THE FOLLOWING CHART IDENTIFIES WHICH ADAPTER TO USE WITH EACH MRAP VARIANT.



WARNING: A DISABLED VEHICLE WITH CAGED BRAKES SHOULD **NEVER** BE TOWED BY A LIKE VEHICLE. USE DEDICATED RECOVERY ASSETS.

FOR DETAILED VEHICLE RECOVERY INSTRUCTIONS, DOWNLOAD THE FOLLOWING BOOKS IN PDF FROM TRADOC'S PROJECT OFFICE FOR BATTLE-FIELD RECOVERY...

TOW BAR SMART BOOK (OCT 12) AND TACTICS, TECHNIQUES AND PROCEDURES (TTP) FOR RECOVERING THE MINE RESISTANT AMBUSH PROTECTED (MRAP) VEHICLES (MAR 12)...

<https://forums.army.mil/secure/communitybrowser.aspx?id=1054789&lang=en-US>

QUESTIONS? CONTACT WILLIAM PAYSON AT DSN 298-4115/AA74, (410) 278-4115/AA74, OR EMAIL: william.l.payson.civ@mail.mil

PS END